

EPA Official Record

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From: Moss, Jacob

To: Jetter, James

Delivered Date: 05/07/2014 10:33 AM EDT

Subject: RE: 111d anecdote search (support request)

I hadn't seen this. Thanks. If the lens can be USG-wide, we could reference DOE's SBIR awards. BioLite and Berkeley Air got phase 2 funding. BioLite also got an award (\$883K) from DOE for their core biomass effort, and from USAID's DIV (Development Innovation Ventures) program. BioLite stove also being used in the NIH trial in Ghana, I believe. So between your work on design/testing, DOE's research and SBIR efforts, and AID's investment, that's a pretty good whole-of-govt support for a U.S. business making (in China) a climate improving stove.

- SBIR Progress: The 4 SBIR projects are completing their Phase 1 awards and 3 have applied for phase 2 funding competition:
 1. Biolite, Clean Fan Stove Technology Development and Commercialization: The product they are commercializing is the HomeStove TM, an ultra-clean fan stove that reduces fuel use by 50% and cuts toxic pollutant emissions by 90%. The Home Stove utilizes their patented Direct Conduction Thermoelectric System (DCTS) that enables the fan to operate without external power and simultaneously produce enough electricity during a typical day of cooking to fully charge a mobile phone and provide an evening's worth of light.
 2. Berkeley Air Monitoring Group Inc., Platform for Integrated Cookstove Assessment (PICA): PICA has been designed to meet the need for stove measurement tools that facilitate and streamline critical data collection, and to make it possible to integrate, analyze and manipulate data from a variety of monitoring and sensor devices. By offering an intuitive, easy-to-use interface to integrate device management, data processing and reporting, PICA reduces the need for time-consuming, error-prone manual intervention during on-site stove studies. PICA allows researchers to monitor more sites with fewer trained staff, providing greater accuracy and the ability to launch multiple sensor and monitoring devices then integrate and manipulate their data outputs more easily than currently possible.
 3. Cirrus Sense Wireless Instrument for Automated Measurement of Clean Cookstove Usage and Black Carbon Emissions: Demonstrate that measurements showing the variation in BC concentration, CO₂, and CO, taken during ignition, cooking, and cooling phases can be combined with stove type, fuel type, and cooking duration in order to relate BC concentration to actual cookstove emissions.
 4. ASAT, Inc, Improved Biomass Cooking Stove and Improved Emission Equipment: no update.
- A Development Innovation Ventures (DIV)-funded award was made to BioLite LLC in the amount of \$1 million. The two-year project will provide rigorous evidence about adoption of the Biolite improved cookstove in India. The Biolite stove contains a USB charger allowing excess energy produced while cooking to charge small electrical devices. BioLite will work with Greenlight Planet, a solar powered lamp innovator that has developed a distribution network in Orissa, to direct market the stove in 200 villages in Orissa. J-PAL South Asia will conduct a randomized control trial (RCT) to measure the impact of four separate economic and marketing tools aimed at reducing barriers to adoption identified in previous research with the goal of improving cookstove adoption and self-reported health over a one-year period.

From: Jetter, James
Sent: Wednesday, May 07, 2014 10:20 AM
To: Moss, Jacob
Subject: FW: 111d anecdote search (support request)

Jacob,

You probably already know about this, but the Administrator's speechwriter is looking for anecdotes to use in the speech at the Alliance on May 27.

Regards,
Jim

From: Jetter, James
Sent: Wednesday, May 07, 2014 10:14 AM
To: Bloomer, Bryan
Cc: John Mitchell
Subject: RE: 111d anecdote search (support request)

Here's another that John may expand on...

EPA and the Alliance led a successful effort to develop a consensus ISO IWA (International Workshop Agreement) with guidelines for evaluating cookstoves including tier levels of performance. The IWA is providing great incentive for cookstove manufacturers to reduce air pollutant emissions and improve fuel efficiency and safety – manufacturers want to reach the higher tier levels! EPA published results of cookstove testing including rankings of tier levels. The IWA is also serving as a foundation for further development of ISO standards.

ISO guidelines on clean cookstoves could save lives, reduce injuries and pollution
http://www.iso.org/iso/home/news_index/news_archive/news.htm?refid=Ref1609

Jim

From: Jetter, James
Sent: Wednesday, May 07, 2014 9:49 AM
To: Bloomer, Bryan
Cc: John Mitchell
Subject: RE: 111d anecdote search (support request)

Here's one for the "cutting edge" and "American competitiveness" angles...

BioLite (New York, NY) began designing a cookstove for the developing world market, and they realized the fantastic potential of their concept for the recreational market – the BioLite CampStove is a backpacking stove that can charge a mobile phone or other device – the product is a big commercial success – sold at REI and other outlets:
<http://www.biolitestove.com/campstove/camp-overview/features/>
EPA has recently tested the BioLite HomeStove (for the developing world) and EPA has worked closely with BioLite engineers on testing for air pollutant emissions and fuel efficiency.

From: Bloomer, Bryan
Sent: Wednesday, May 07, 2014 9:10 AM

To: Jetter, James; Mitchell, John
Subject: FW: 111d anecdote search (support request)
Importance: High

I want to give you two a shot at adding some interesting “anecdotes” to the discussion below for the Administrator’s speech to be given the 27th at the GACC. If you have a few send to me so I can provide before 1pm today (sorry but this was the deadline I was given today at 9 am)

I will be thinking some up as well, in between meetings and other assignments...

Thanks!

Bryan

From: Widener, Kelly
Sent: Wednesday, May 07, 2014 9:05 AM
To: Bloomer, Bryan; Hunt, Sherri; Richards, April
Cc: Winner, Darrell
Subject: FW: 111d anecdote search (support request)
Importance: High

Bryan/Sherri/April,

Can you please send me any ideas (see email trail below) for the Administrator’s speech writer. My discussion with Liz is this afternoon so if you can send any input by 1pm, I would really appreciate it.

Thanks,
Kelly

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From: Blackburn, Elizabeth
Sent: Tuesday, May 06, 2014 7:37 PM
To: Widener, Kelly
Subject: FW: 111d anecdote search

Hi Kelly,

Can we please add this to our list of things to discuss tomorrow. The Administrator’s speech writer is looking for stories about things we’ve done to address climate. You’ll note that I gave the example of Catlin Powers SolSource cooker. The write up at the Global alliance is pretty good though it doesn’t mention EPA. I want to talk about how we get a write up that maybe we can post online and certainly give to the speechwriter.

He’s also asking if we have stories we can share about small business and climate. Do you know of any?

We can talk.

Thanks!

Liz

From: Blackburn, Elizabeth
Sent: Tuesday, May 06, 2014 7:32 PM
To: Samy, Kevin
Subject: RE: 111d anecdote search

I'll check on the small business example tomorrow.

Let me wet your appetite about the Solsource cooker from One Earth Designs.

Catlin Powers is the co-founder and COO for One Earth Designs and winner of the 2010 P3 award. She's gone on to create this very sustainable and carbon cutting business that is helping developing countries as well as supplying solar cookers for backyards in the US.

<http://www.oneearthdesigns.com/>

This article doesn't mention the 2010 P3 award but it is a good description of the work.

<http://www.cleancookstoves.org/blog/partner-spotlight-one-earth-designs.html>

Catlin gave the keynote at this year's P3 awards ceremony and was inspirational and very positive about EPA's contribution toward her success.

I think this information can be a start for you. I can see if I can get a more succinct write up that includes information about EPA.

Back soonish.

Liz

From: Samy, Kevin
Sent: Tuesday, May 06, 2014 6:58 PM
To: Blackburn, Elizabeth
Subject: RE: 111d anecdote search

Omgosh – you are so great. Not only is this example awesome, but you replied in record time.

First – thanks for flagging the blogpost – great to see we're getting such good mileage outta that speech!

Second – that is a GREAT example. Keep those coming!! So, the project was all students to boot? That makes this even more awesome. Any small business examples, by any chance? Or – is that project leading to businesses "making money" or driving business with it? (I'm going for an "American competitiveness" angle if it presents itself...can explain to you on the phone later).

From: Blackburn, Elizabeth
Sent: Tuesday, May 06, 2014 6:48 PM
To: Samy, Kevin
Subject: RE: 111d anecdote search

Hi Kevin

I was just thinking of you. Just read the UCS Op-Ed that referenced the Administrator's science speech. <http://www.livescience.com/45362-attacks-on-epa-bogus.html>.

Anyway, would a cookstove innovation work for the last bit? There is a terrific story about an EPA funded student project (P3) that is now being marketed in 18 countries around the world. One of the coolest aspects is when the scientist went to an investor, the most compelling aspect of her pitch was the fact that she had received EPA support previously.

I can also look for something cutting edge that EPA is developing.

Am I on the right track?

Liz

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From: Samy, Kevin
Sent: Tuesday, May 06, 2014 6:40 PM
To: Blackburn, Elizabeth
Subject: FW: 111d anecdote search

Hey Liz!

We can talk more about this tomorrow, but I wanted to send this over before I forget. See highlighted below, for where you might be able to be helpful...

Not looking for anything tomorrow or anything, but in the next week or so. Talk more about it later, esp if this doesn't make sense!

Kevin

From: Samy, Kevin
Sent: Tuesday, May 06, 2014 6:37 PM
To: Bond, Brian
Cc: Ragland, Micah; Aguirre, Amanda; Enobakhare, Rosemary
Subject: 111d anecdote search

Brian – here are the bullets of great sample anecdotes to have in my back pocket.

(Micah/Amanda/RoseMARY: basically, BB and I spoke about how, whenever we do deliver this speech, we have some good anecdotes to leverage to ground our points)...see the NWF speech from last week, or the new source speech for good examples.

- **Public Health** – A story of someone suffering from a lung or heart ailment made worse by smog; or a city or area (underserved community?) dealing with rising asthma rates – that will get worse with climate change
- **Agriculture** – Story of a farmer/farms that are suffering from increased heat/drought/dryness. Not as much our bailiwick, but would be a good way to further our “cost of inaction” narrative – and speak to the ag community which she is interested in doing on this.

- **Big business** – a “ceres” type group that is doing some great stuff/quoting saying the need for urgent climate action (maybe one of them already has done that via that declaration?)
- **Small business** – a story of a business that is on the cutting edge of climate action/showing that innovation and modernizing operations isn’t just good for the climate – it’s good business sense. It’s the sensible thing to do. (this one may be hard, but would be great)
- **Cutting edge** – this might be an area that the groups can’t help us with...but it’d be cool to have a story in my back pocket on what American science/U.S. universities and students are doing to push the envelope on cutting edge technologies that will help us in a carbon constrained world.

For the Biz examples (and just general) – we should think through out to make the ‘competitiveness’ argument strong.

LMK if yall have any questions!

Kevin Samy

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